PRODUCT INFORMATION PACKET



Model No: 326THFCD19033 Catalog No: W581A

XRI®-841 Severe Duty Motor, 50 HP, 3 Ph, 60 Hz, 575 V, 1800 RPM, 326T Frame, TEFC



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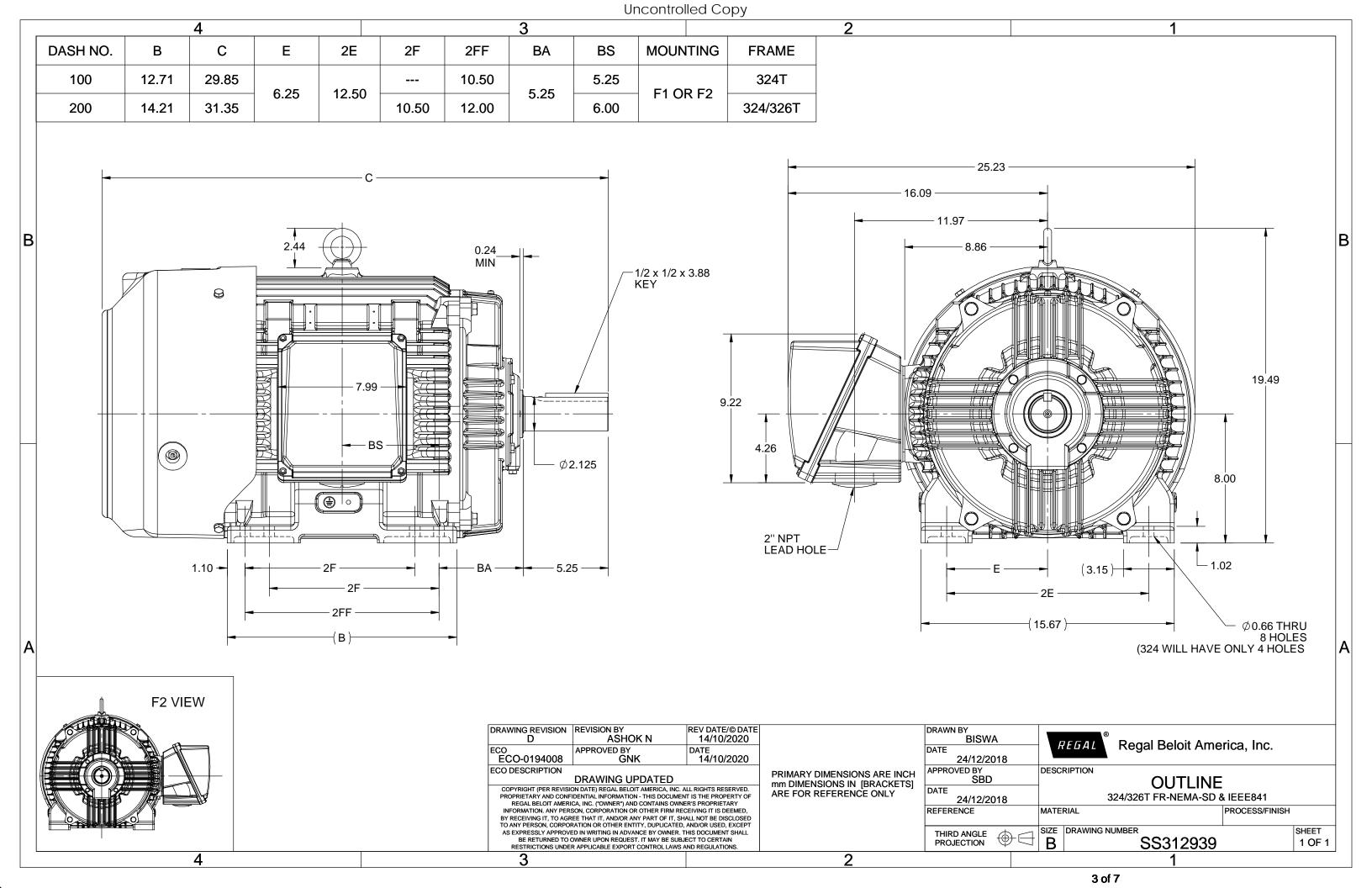
Nameplate Specifications

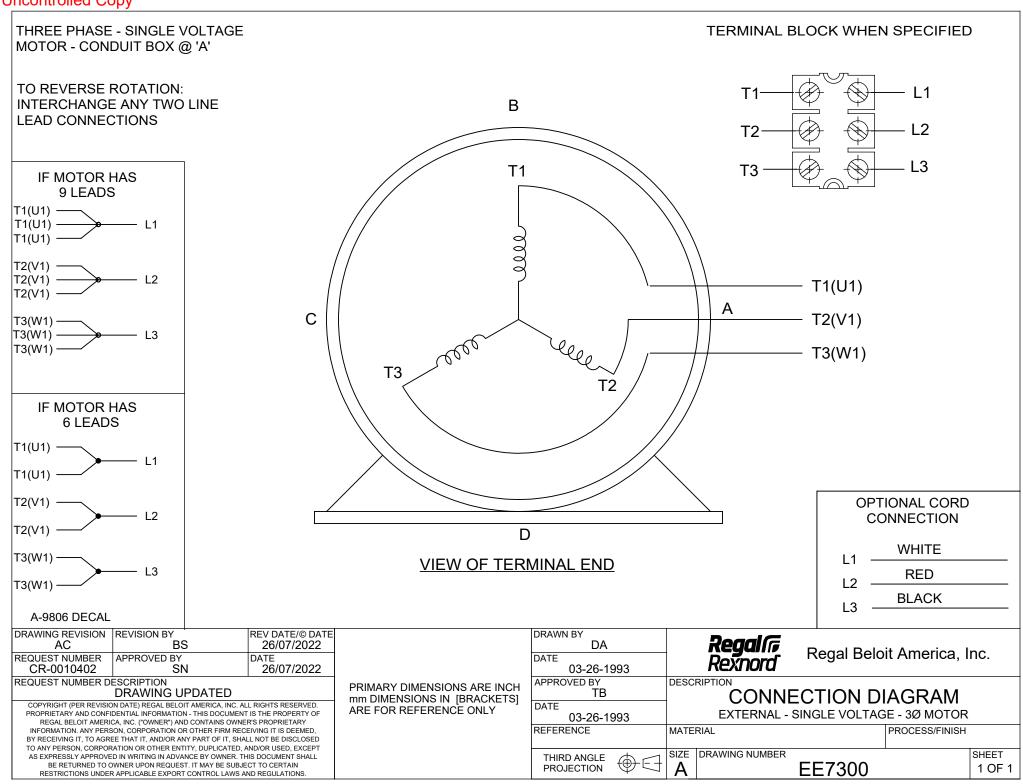
Output HP	50 Hp	Output KW	37.0 kW		
Frequency	60 Hz	Voltage	575 V		
Current	47.0 A	Speed	1782 rpm		
Service Factor	1.15	Phase	3		
Efficiency	94.5 %	Power Factor	85		
Duty	Continuous	Insulation Class	н		
Design Code	В	KVA Code	G		
Frame	326T	Enclosure	Totally Enclosed Fan Cooled		
Thermal Protection	No Protection	Ambient Temperature	40 °C		
Drive End Bearing Size	6312	Opp Drive End Bearing Size	6212		
UL	Listed	CSA	Υ		
CE	Υ	IP Code	56		
Hazardous Location	DIVISION 2 T2B	Number of Speeds	1		

Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	4	Rotation	Reversible
Resistance Main	.127 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	Т	Shaft Diameter	2.125 in
Assembly/Box Mounting	F1/F2 CAPABLE	Inverter Load	CONSTANT 2:1/VARIABLE 10:1
Outline Drawing	SS312939-200	Connection Drawing	EE7300

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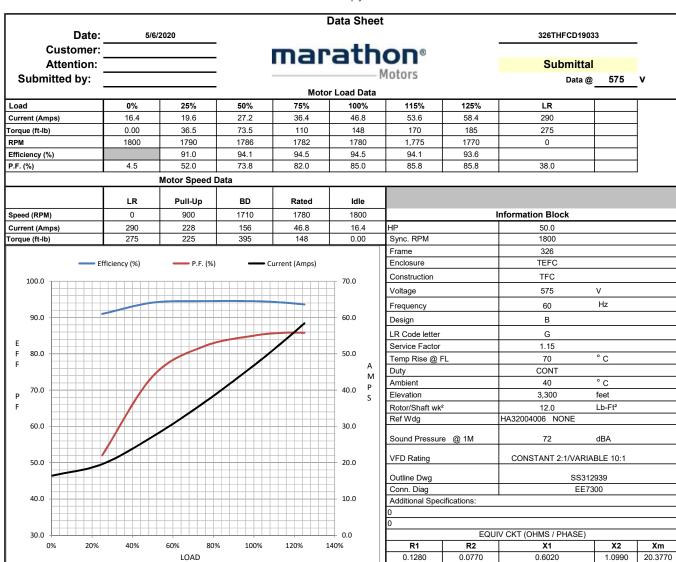
DATA VOLTS: 575

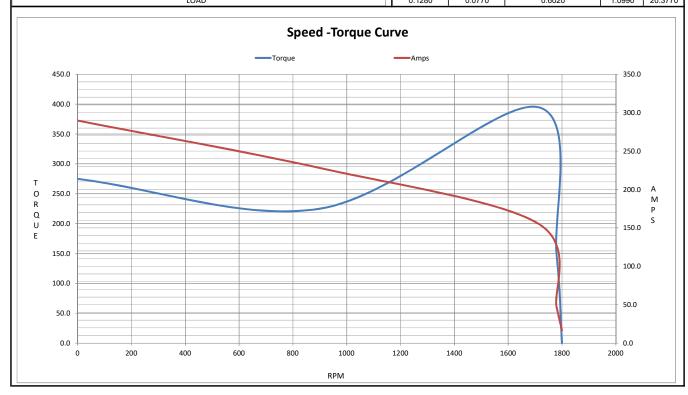
CERTIFICATION DATA SHEET

REFERENCE MODEL #: 326THFCD19033

CAT #: W581A

ONN. DIAGRAM: DUTLINE: VINDING: HP KW 50 37	EE7300 SS31293 H	9 IA32004006	S NONE					CAT #:	W	581A		
нр кw	Н	A32004006	NONE	_								
				3				MOUNTING:	F1/F2 CAPABL	.E		
				TY	PICAL I	MOTOR PERFORMA	NCE D	ATA				
50 37	SYN	C RPM	FLR	FL RPM FRAME		FRAME	ENCLOSURE		TYPE	KVA CODE		DESIGN
00 01	1	800	1780			326T	TEFC		TFC	G		В
	-											
PH HZ		DLTS	AMI				DUTY		INSL	S.F.	AMB (° C)	
3 60		575	47	<u>, </u>	L	INE OR INVERTER	С	ONT	Н	1.15	40	3300
F.L. EFI			3/4 LD EFF	94.5		1/2 LD EFF	94.1	GTD EFF		ELECT. T		
F.L. PI	F 85.0		3/4 LD PF	82.0		1/2 LD PF	73.8	94.1		SQ CAGE INV	RATED	
F.L. TORQUE		LR AMPS	3		L.R. TORQUE		B.D. TORQU		QUE F.L. RISE		(° C)	
148 LB-FT		290		275	LB-FT	186%	395	LB-FT	267%	70		
SOUND PRESSURE	sc	UND	ROTOR	R WK²		MAX. LOAD WK ²	SAFE S	TALL TIME	START	RTS/HOUR API		ROX.
72 dBA	81	dBA	12.0	LB-FT ²	325	LB-FT ²	20	SEC.		2	730	LB.
					*** SUP	PLEMENTAL INFORMA	TION ***					
DE BRACKET TYPE		RACKET YPE	MOUNT TYPE		TOR TATION	SEVERE DUTY	HAZA	ARDOUS ATION	DRIP COVER	SCREENS	DAINT	
STANDARD		NDARD	RIGID		ONTAL	PREMIUM SEVERE DUTY		ON 2 T2B	NO NO	NONE	PAINT BLUE (EPOXY)	
BEARINGS	T		1								ı	
DE ODE	GR	EASE	SHAFT	SHAFT TYPE		SPECIAL DE	SPECIAL ODE		SHAFT	MATERIAL	FRAME N	MATERIAI
BALL BALL 6312 6212	POLY	REX EM	Т			NONE	N	ONE	1045 HOT ROLLED (C-204)		CAST IRON	
	T		1								e n	ACE
THERMOSTATS	PROT	ECTORS	WDG F	RTD's		BRG RTD's	THERI	MISTORS	CON	ITROL		TERS
NONE	N	TOI	NON	NE		NONE	N	ONE	FA	LSE	١	NA
R1 (ohms/ph)	R2 (o	hms/ph)	X1 (ohn	ns/ph)		X2 (ohms/ph)	Xm (c	hms/ph)	VIBRATION (in/sec)			
0.2	0.12	203125	0.940	625		1.7171875	31.8	390625	0.	080		
*							If Inverter	equals NONE	, contact factory	for further inforn	nation	
N O									ER TORQUE:	CONSTANT 2:1	VARIABLE	10:1
т								INV. HP SI	EED RANGE:	NONE		
E								ENCODER:	NONE			
S .								NONE NONE			NONE	PPR
								BRAKE:	NONE			
PREPARED BY: DATE:		3/2020						N FT-LB:	ONE	NON NA	E	
DATE	. 3/1.	JI Z U Z U						VOLTAGE:		NA ONE		н
FORM: 3531 REV_4 * Subject to change												







EC Declaration of Conformity

The undersigned representing the manufacturer:

Regal Beloit America 100 East Randolph St. Wausau, WI 54401 and the authorized representative established within the Community:

Marathon Electric UK 6F Thistleton Road Ind. Estate Market Overton Oakham, Rutland LE15 7PP UK

are committed to providing customers with products that comply with applicable regulations and international protocols to which they are subject, including the requirements of the European Parliament Directive on the Harmonization of the laws relating to electrical equipment designed for use within certain voltage limits (2014/35/EU).

Regal Beloit America declares that the following product(s), to which this declaration relates, are in conformity with the relevant sections of the EC standards listed below.

This statement supersedes any statements previously issued pertaining to the product(s) listed below and is subject to change without notice.

Model No: 326THFCD19033

(Model No. may contain prefix and/or suffix characters)

Catalog No: W581A

Rework No: N/A

Directives:

Low Voltage Directive 2014/35/EU

Harmonized Standards Used:

EN 60034-1: 2010 (IEC 60034-1: 2010)

Michael A Logsdon

EN 60034-5: 2001/A1:2007 (IEC 60034-5: 2000/A1:2006)

Authorized Representative:

Michael A. Logsdon

Vice President, Technology

Created on 09/01/2022

Authorized Representative in the Community:

J. cerse

Julian Clark Marketing Engineer

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